



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
WECS II 2048 /DMX/02													

## WECS II 2048/DMX/02

The WECS II 2048/DMX/02 is the new server for 2048 DMX-RDM channels with audio file. With the WECS II 2048-Server multimedia shows can be played synchronously to the music in a desired time schedule accurately to the second. The WECS II (Water Entertainment Control System) - transmits DMX-RDM data packets to the individual components (lights, DMX-RDM controllable nozzles etc.) which enable them to act accordingly.






WECS II 2048 /DMX/02

### Product characteristics at a glance

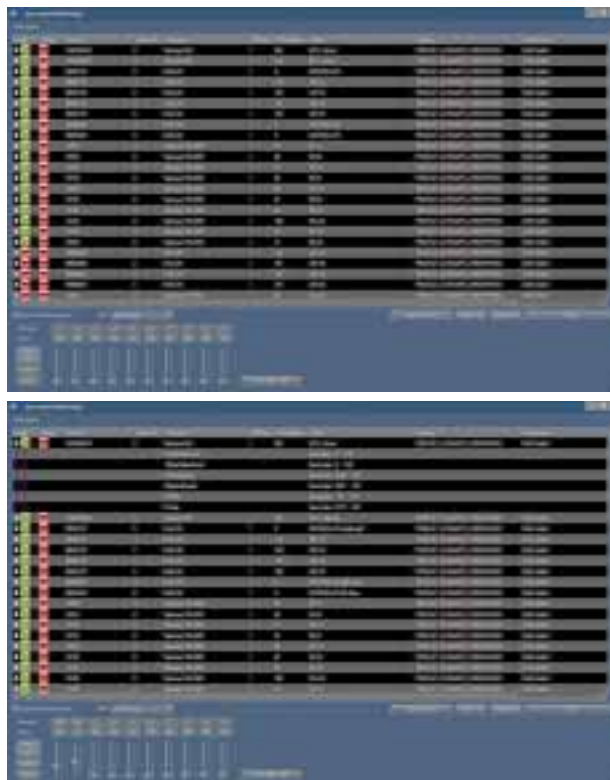
- Showplayer with music output
- 2048 DMX - RDM channels, Modbus (up to 16 units), ArtNET
- 512 DMX input channels
- 2 x balanced audio outputs
- 1 x SMPTE input or output
- NetTimecode
- MTC (optional: additional interface required)
- RS232 and DVI
- 3 x USB 2.0
- Livepanel and I/O view
- Information window showing all important para-meters
- Master/slave function for several WECS II 2048 server
- Emergency function for backup systems
- E-mail function for all types of messages
- Intelligent logging system
- Automatic show update via internet
- Balance system for fountain height
- High flexibility
- Connection to different sensors (wind, water level etc.)
- Internal counter for all switching operations
- Automatic light control (ALC) specially for fountains

# OASE WECS II COMPARISON

				
		WECS II 512 /DMX/02	WECS II 1024 /DMX/02	WECS II 2048 /DMX/02
Hardware	512 channel RDM/DMX output	•	•	•
	1024 channel RDM/DMX output	–	•	•
	2048 channel RDM/DMX output	–	–	•
	8 Digital output	•	•	–
	8 Digital input	•	•	–
	DIN Rail housing	•	•	–
	DIN 19" rack	–	–	•
	Audio output	–	•	•
Standalone	Standalone capable	•	•	•
	Micro SD-Card 4GB	•	•	–
	Solid state disc 60GB	–	–	•
	Calendar	•	•	•
Connectivity	Ethernet RJ45 10/100 mbit	•	•	•
	Ethernet Artnet full support	–	–	•
	Ethernet Modbus / TCP/UDP built-in	–	–	•
	Midi time code in/out	–	–	•
	SMPTE time code input or output	–	–	•
	RS232 – remote control	–	–	•
	DVI output	–	–	•
	USB 2.0	–	–	•
	SN7C, N7C (optional interface )	–	–	•
Software	Fixture library	•	•	•
	Patching	•	•	•
	Operating & Monitoring (Livepage)	•	•	•
	RDM monitoring	•	•	•
	Logbook files	•	•	•
	Scenes	•	•	•
	Sequences	•	•	•
	Scheduler	•	•	•
	DMX channel preview	•	•	•
	Effects: SIN, COS, RECT, SAW UP/-DOWN	•	•	•
	Matrix programming	•	•	•
	Media support audio	•	•	•
	Matrix special effects	•	•	•
	Scripts/Macros	•	•	•
	V:3D remote control over Artnet	–	–	•
	Parameter curves/Editable curves	–	–	•
	ALC (Automatic Light Control) fountains	–	–	•
	Media support laser, video, beamer	–	–	•
	Email function for messages	–	–	•

## WECS II 2048/DMX/02

These components or devices in turn analyse the received data and send back their status signals like operating hours and temperature via the same cable. Remote diagnosis and remote maintenance of the connected components can be done with these status signals in combination with a PC. Up to 4 DMX universes (2048 DMX channels) can be controlled by one WECS II 2048 server and up to 32 servers can be operated jointly. This means that a maximum of 65536 DMX-RDM channels can be controlled at once. The WECS II 2048 can synchronize or be synchronized by other equipment via it's synchronization interface (SMPTE, NetTimecode, and MTC). Moreover, the device can also be controlled as a fixture by a DMX start address of a master control console. In addition a variety of simple text commands are also provided which are either transmitted via network or directly entered to the server.



Water Entertainment Control System		WECS II 2048 /DMX/02
Dimensions (L x W x H):	[mm]	482 x 360 x 130 mm
Weight:		12 kg
Housing:		19" Rack front colour white/blue
Protection class:		IP20
PC Power supply:		100..240V AC, max. 500W
Operation temperature:		0..40°C / 0..80% humidity non condensed
Certification:		CE
Outputs:		4 x DMX-RDM (clamps, optically isolated), 2048 DMX channels 2 x balanced audio 2 x Graphic card (ext.Videobeamershow), 3 x USB2.0, Livepanel and I/O view Several time codes (SMPTE, SNTC, NTC, MTC (optional: additional Interface required) Art-Net and DMX /RDM Modbus (up to 16 units)
Inputs:		512 DMX input channels Sensor connection (wind, water level, etc.) Several time codes (SMPTE, SNTC, NTC, MTC (optional: additional Interface required)
Network:		2 x Ethernet RJ45 10/100Mbit / incl. team-viewer software (remote control)
Memory:		Solid state drive 60GB
Operation:		4 x 40 Segment LCD Display with 5 keys
Special:		Master / slave function for grouping WECS 2048 II server Intelligent Logging system Solar calculation for automatic light control Automatic Light Control (ALC) specially for fountains Balance system for fountain height Automatic show update via internet
In the scope of delivery		
Hardware		
System Documentation		
Order no.		56507